

Notice of Allowability

Application No.

09/981,291

Examiner

Wei Zhen

Applicant(s)

GOODWIN ET AL.

Art Unit

2191

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 11/5/2004.
2. ☒ The allowed claim(s) is/are 1-12 and 14-33.
3. ☒ The drawings filed on 16 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 1/31/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Wei Zhen
Primary Examiner
Art Unit: 2191

1. This office action is in response to the amendment filed on 11/5/2004.
2. Claims 1-12, 14-33 are allowed.

Reasons for Allowance

3. The cited prior arts taken alone or in combination fail to disclose, in combination with other claimed limitations, automatically generating an instruction set architecture...containing one or more extension instructions based on instructions in an existing standard or existing user defined instruction set architecture substantially as recited in independent **claims 1, 30** and as pointed out by the applicant on pp.7-9 of the remark filed on 11/5/2004; the cited prior arts taken alone or in combination fail to disclose, in combination with other claimed limitations, automatically generating an instruction set architecture...by adding one or more new register files...wherein the new register files are vectorized versions of an existing standard or existing user defined register files as recited in independent **claim 31** and as pointed out by the applicant on pp.7-9 of the remark filed on 11/5/2004; the cited prior arts taken alone or in combination fail to disclose, in combination with other claimed limitations, automatically generating an instruction set architecture...by adding one or more new extension instructions...wherein the new instructions contain specialized versions of existing standard or existing user defined instructions in the existing instruction set architecture as recited in independent **claim 32** and as pointed out by the applicant on pp.7-9 of the remark filed on 11/5/2004; the cited prior arts taken alone or in combination fail to disclose, in combination with other claimed limitations, automatically generating an instruction set architecture...by adding one or more new extension instructions...wherein a single new instruction contains one of a fused, specialized and vectorized

combination of existing standard or existing user defined instructions as recited in independent **claim 33** and as pointed out by the applicant on pp.7-9 of the remark filed on 11/5/2004.


Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wei Zhen whose telephone number is 571-272-3708. The examiner can normally be reached on Monday-Friday 8:00 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 571-272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wei Zhen
4/14/2005


WEI Y. ZHEN
PRIMARY EXAMINER